

Amendments To The Specification:

In the Specification at page 1, amend the title of the invention as follows:

METHOD FOR EVALUATING THE OPERATING CONDITIONS OF A MACHINE OR AN INSTALLATION ~~Method for evaluating the operating conditions of a machine or an installation~~

In the Specification amend the third paragraph on page 15, that begins at line 7, (which is paragraph [0121] in the electronically published application US-2004-0073416-A1) as follows:

A compressor 7, combustion chamber 10 and turbine component 13 are arranged one behind the other along a shaft 4. The turbine component 13 has a hot gas duct 16. Gas-Fixed turbine blades 20 are arranged in the hot gas duct 16. Guide-Fixed blade and runner blade limits are arranged alternately one after the other.

In the Specification amend the fourth paragraph on page 15, that begins at line 12, (which is paragraph [0122] in the electronically published application US-2004-0073416-A1) as follows:

The ~~gas~~ turbine blades 20 and 20' are for example cooled by means of a combined air and/or steam cooling system. For this compressor air is for example taken from the compressor 7 and fed into the gas duct 16 ~~to the gas turbine blades 22~~ via an air supply system 23. Steam is also fed, ~~to the gas turbine blades 20~~ for example, via a steam supply system 26.

In the Specification amend the last paragraph on page 15, that begins at line 24, (which is paragraph [0125] in the electronically published application US-2004-0073416-A1) as follows:

Rotatable runner blades 20 20' and fixed ~~guide~~-blades 20 are arranged in the blade area 51. The runner blades 20 are attached to the shaft 4, while the ~~guide~~-blades 20 are arranged on a guide blade support 47 around the shaft 4.

Amendments To The Specification:

Replace the Abstract with the following:

ABSTRACT

A method for evaluating and modifying the operating conditions of a machine or an installation includes measuring at least one parameter a number of times to create a database, of the parameter, determining an extrapolation range, performing an extrapolation in the range, and determining a measure of quality, K , of the extrapolation calculated on the basis of the database. K is a function of at least two variables. The parameter value is controlled so that the value will be retained within a limit.

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Amendments To The Specification:

In the Specification at page 18, immediately before claim 1, amend the heading as follows:

~~Claims:~~ CLAIMS:

The invention claimed is: